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Application/Control Number: 10/052,285

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CLMPTO 10/20/04 JW

Amend Claims 19, 20, 25, 26, 29, 33, 34,

38-40 43-45 49,50,53,57-58

62-64,67

This listing of claims will replace all prior vertices, and Sistings, of claims in the application:

19. (purroutly amounted) A method of accepting communication data relevant to a (argust entity identified by a number string, add method comprising the exept of

([6]-]] staring in the formain names system (UNS) of the Internet records each associated with a corresponding domain name and holding an URI for locating communications data associated with the domain name, seek said domain came being related to a respective number string from which it can be derived by a process including parating at least a substantial portion of the number string from a least a part of taid domain name;

[[6] ·]] opplying sald process to the seld number string Mandifying the target sadity whereby to form the related domain name;

[(e)-)) scopping the domain name framed-in-day (b) to the DNS to retrieve the UNL held in the corresponding [[mid]] record; and

[[(d)-]] using the URI retrieved in step (s) to access said communication date.

- 24. (commity emended) A method eccording to claim 19, wherein the URI held in at test one cold records to an URI, including an ecoses subcraceral host eddress.
- 21. (proviously presented) A method securiting to cisine 20, wherein sold heat address is a clossic.
- Queriously presented) A medical assorting to cisin 19, wherein each said mention string is to collections number than.

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- (previously presented) A method seconding to elsign 19, wherein the communications data is a communications codpoint address for the sarges amily.
- 34. (presidently presented) A method of accessing a target entity over a collaphone national, to which communications data in the form of a telephone manber the fits target entity is accessed according to the residued of claim 19, this telephone accesses then being used to call the target entity over the telephone accessorie.
- 26. (warrently amonded) A method according to claim 19, wherein the URI hald in et least one said accords in the URI for said accommissions data itself.
- 26. (promotily amended) A method according to claim 19, wherein the URI hold in at least ane add records in of functionality that has access to multiple items of communications that, elsey (A) and wherein rating the URI representation and involved to explain the URI representation and involved to explain the URI to access said functionality and supply it with an abdicator of the desired item of communications data, this data from being returned by the functionality.
- 17. (proviously presented) A method according to obtain 26, wherein the indicator is incorporated into said URI and trapplied in this form to said functionality.
- 18. (previously posented) A method anomaling to claim 26, wherein the indicator is supplied to said functionally as a separate element to said URL
- 29. (surrently amended) A method according to older 25, wherein the UR1 held in at least one rate research is no UR1, including an excess scheme and food address for excessing said femationality.
- 3 10. (previously presented) A method associating to obtain 24, wherein each said number string is in independent output form.
- (previously presented) A method occording to claim 26, wherein the communications data is a communications and active for the largest suctly.
- 32. (perstandly presented) A method of secessing a target entity aver a talephone network, in which communications data in the form of a talephone number for the target entity is sensered seconding to the method of alaba 23, this telephone number then being used to call the target entity over the telephone nativarie.
- 23. (numerity amended). A method of accounting communication data relevant to a target entity identified by a number string, said method comprising the steps of
- [(a)] atomic in the decision memor quatern (DNS) of the Internet records each associated with a corresponding decision came and before an el least part-formed URL, including account schemes and best memor, of an item of communications data, such said domain some belog related to a respective number string from which it can be derived by a process including purring at least a administral parties of the number string from which it can be derived by a process including purring at least a
- [[6]-]] applying enid process to the said number suring Herselfying the target suriny whereby to three the related domain names [[and]]
- (((c)-1) supplying the clause in name formed-in-chy-(c) to the DMS to retrieve the at least pare-formed URL held in the corresponding [[asid]] record; and
- ((d)-)) using the at least part formed URL retrieved in chap (*) to accomm and communication data.
- 34. (aurency amended). A method according to claim 33, wherein the URL reichood in stap (t) is

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only partiferenced and step-(d) using the at least next-formed LTRL restricted in ancess sold communication data involves completing the LTRL by adding a path atment serving to distinguish the desired from at communication data from other leaves held on the reme hast.

- 15. (previously proposed) A rective according to claim 33, whench each said comberating is in hisphone-number form.
- 35. (previously presented) A method excording to claim 33, wherein the communications data is a communications codpoint address for the target early.
- 37. (previously presented) A method of accessing a target entity over a telephone network, in which communications date in the form of a taketh are number for the target entity is accessed according to the institute of claim 33, this telephone number from being used to out the target entity over the telephone network.
- Let (exceedy amonded). A method of discovering communications endpoint actives data for conflicting a turbet entity identified by a number string, and method comprising the steps of [[0] -] aroung to the domain name system (DNS) of the Internet records such associated with a corresponding domain name and holding an UPL of a recourse that his among to multiple items of communications endpoint address date, each sold domain name being religied to a respective marker string from which it can be derived by a proper inducting pursing at least a substantial portion of the number string into at least a past of said domain name, the number strings being in talestone-number them;
- [(b)-]] applying said process to the end number string identifying the target entity whereby to form the related dermin name, [[md]]
- [(v) -]] supplying the domain mane durated in step (b) to the CNV in retrieve the URL hold

to the corresponding [[add]] record; and

- [[OD -]] using the URL to access the extremptanting and restource and ropply it with an indicator of the destret from of commissionations entipoint address date, this date than being returned by the measures.
- 39. (corrently amerated) A method of amerating communication data relevant to a target early identified by a number string, each method comprising the steps off.
- [[(a)-]] storing in a DMS-type distribute system, recents each associated with a corresponding domain name and holding an URL for loading communications that associated with the domain name, such said domain name being related to a respective number string from which it can be derived by a propose tocholing pursing at least a substractial particle of the number string into at least a pur of said domain name;
- [(0)-]] applying said process to the said number string identifying the target eatity whereby to them the related densities names [[and]]
- |[(b)-]] supplying the domain name formed-in-step (b) to the DMS-type database system to strikes the URL held in the corresponding ((said)) record; and
- [[(i] -)] maing the URI retrieved in the (i) to account and communication data.
- 46. (nurroutly smeaded) A method encoding to altim 39, wherein the URL held in at least one subfreezold; is so URL including an access scheme and boot afteres for accessing self-communications date.
- () () unricitally presented). A method excerding to obtain 39, wherein each said number string is in telephone-cumber forms.

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- (previously presented) A method executing to claim \$5, wherein the communications data is a communications undpoint attenue for the insure ordry.
- C. (crarently amended) A method according to claim 39, wherein the URI beld in at least one self enough to of functionality that has account to multiple from all communications date, size (3) and submin using the URI retrieved in access as in communication date involves accessing using the URI to access said functionality and supply it with an indicator of the desired free of communications date which is then returned by the functionality.
- (parrently amended) A method of excessing communications data for contacting a target dutity, add repthod computating the elegantic
- [[(4) -]] form a number ring identifying the terpst entity, a cleania name by a process including penalog of least a substantial portion of the number string into at least a part of said dumpin name;
- ((b) ·]] . supplying the domain matter themselves the domain terms system of the interest and matching bank from the domain name system a resource record including on URI for tocating communications data resociated with the domain report and
- [[[A]-]] using the 1/121 received bank-in-step (2) to some said communication date.
- 48. (Contently sepanded) A coefficial exporting to of sim 44, wherein the URI received book in the (4) is an URL including an access subsens and including for accessing said communications date.
- (i) (previously presented): A continue according to claim 44, wherein said number string is a telephone number.
- 69. (previously presented) A mothed according to their 44, wherein the communications data is a

Contributions and point address for the largest early.

- 48. (pursuintely presented) A method of something a target eachly over a taleptone network, in while communications data in the form of a telephone member for the target entity is accessed assuming to the method of claim 44, this talephone number than being used to sail the target entity over the talephone network.
- (Surrently amended) A method executing in claim 44, wherein the UEU received benklasses.
 (b) in the UEU or and communications data fischt.
- 50. (commity emended) A method according to of sim 44, wherein the URI received back-to-step (4) is of functionality that has account a makingle items of communications data, step (4) and wherein axing the URI received back to account and communication data immines involving using the URI to access odd fluorionality and supply it with an indicator of the desired liter of recummitations data which is then returned by the freedomility.
- (previously presented) A method according to claim 50, wherein the indicator is incorporated into said LIRI and supplied in this form to said functionality.
- 53. (previously presented) A method seconding to elaim 50, wherein the indicator is supplied to said functionality at a separate element to said URL.
- 53. Commently accounted. A method accompany to claim 50, with resin the URL received back-hosters. Solution URL including an account scheme and facet address for accounting sold facet formularly.
- 54. (provincely presented) A samped seconding to claim SQ, wherein said number string by a

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- 55. (previously presented). A method expecting to older 10, wherein the communications data is a communications ordinate for the largest entity.
- So. (previously presented) A method of exceeding a target entity over a telephone network, to which convenientime data in the firm of a telephone number for the target entity in exceeded according to the method of obtain, SO, this telephone number there being used to call the target entity over the telephone network.
- ST. (currently stretched) A method of occasion, communications of the for contacting a turget emity, said method competating the stage of the content of the
- [[(A)-]] forming, from a number string identifying the target entity, a demain same by a properly including pareing at local a substantial perdon of the sounder string limit at local a part of said changes correct.
- [[(a)-]] supplying the domain meno formed in step (a) to the domain meno system of the linearst and receiving back from the domain name system a resource record irrelating an at least partformed URL, including scores scheme and bost name, of an item of communications data accorded with the domain name, and
- ((4.4)) using the URL received back in step (4) to secons said communication data.
- 58. (currently emended) A method according to slaim 57, wherein the LIRL received book in step.

 (b) is only pure formed and step (b) wherein using the LIRL received book to accommid

 communications data involves completing the LIRL by adding a path element serving to distinguish

 the desired from af communication (sta from other incom held on the same house.
- (previously presented) A confood according to elgim \$7, wherein paid number string it a telephone number.
- fil. (previously presented). A casthad according to chira 57, wherein the communications details a communications endpoint address for the inerget endpy.
- 61. (proviously presented). A method of secessing a target entity over a taleptone occurrie, in which communications data in the form of a telephone number for the target entity is excessed according to the method of claims 57, this telephone number then being used to call the target entity over the telephone conseque.
- 62. (moreomy amonded) A method of discovering communications and point address data for contacting a tenual statity, takit method demyrizing-the-stage of
- [[(a) -]] forming, from nonumber string identifying the target entity, a dumin name by a process including parting at least a substantial profession of the number string, into at least a part of said density name.
- [(D)-]) expelying the document name formed-in-step-(a) to the domein name system of the limited receiving back from the domain same system a resource recent including an URI of a recourse that has access to multiple frame of communications and print address data; and
- [[(a)-]] raing the URL received back-to-stop-(b) to necess corresponding said resource and supply it with an inchestor of this desired from an original and entering the desired from the continuous form or an inchestor of the desired from the functionality.
- (gumently emercial) A method of accessing communications data for contacting a target entity, and method comprising the companie.
- ([[if -]]) Suradag, from a number string identifying the target early, a domain name by a \cdot

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process including parring at least a substantial position of the number abing two at least a part of, and domain number.

- [[(b)-]] supplying the domain name funced-in-case (a) to a INIS-type delaters system and receiving batk a recover-secord including an URI for locating communications data associated with the domain name; and.
- (i(c)-)) uting this LIRI received backin-step (i) to access said communications date.
- 64. (controlly amended) A method extending to chain 63, wherein the URI received incides easy. (b) is an URL including an ecocas scheme and host address for according said communications data.
- 65. (proviously presented) A method according to claim 63, wherein each said number string is a talephana number.
- 66. (previously presented) A method exceeding to defin Ω , wherein the communications data is a sommunications endpoint address for the turget entity.
- 67. (purroutly amended) A method according to claim 63, wherein the URI held in at least one mid record to of functionality that has account to multiple literal of economications data, etc., 60 md phorein who the URI modered back to access said communications data towardes, levelving veing the URI to access said timeformality and supply it with an influence of the desired item of communications data which its than returned by the functionality.
- GB. (provingerly presented) A mover of the decembe date option of the infernet, the cover holding at least one recourse record that provides a mapping from a decembe zeros to an URI for lessating communications data associated with the domain name, at least a substancial portion of the domain name being in the form of a member string that has been parased into placed decemberance intoless.
- 69. (httwictately presented). A server according to claim 68, wherein said LEC is an URL hubeling an accord suborce and host address the according said communications data.
- (previously presented) A method according to civin 58, wherein the communications data is a communications embroid address for the torget entity.
- 71. (praviously presented) A server according to datin 69, wheesth part number string is at least a substantial parties of a fatephone number.
- 72. [prinviously presented] A server encouring to claim 68, wherein said URI is of fluoriterality that has scores to restitute it to communications data.
- 73. (proviously prosected) A server of the dunctin name system of the internst, the server holding at least one resource record that provides a mapping from a decreate name to an at least part-formed URL, including servers action and has nearly of an item of communications date accounted with the demain name at least a substantial parties character according to the form of a number thing for the been passed into plural demain-name labels.
- 74. (previously presented) A curver according to older 73, wherein said number aring it exteen a substantial parties of a telephone number.
- M. (previously presented) A server of the domain same system of the internet, the server holding at least one resences record that provides a mapping from a domain name to an URL of a resource that has second to multiple items of communications date, at least a substantial portion of the domain name being in the form of a number string that has been perced into plural domain name a label.